

Keoagile Mafora

Software Developer | .NET Core & Java Developer

Location: Soweto, Gauteng, South Africa

Phone: +27 65 961 4827

Email: keoagilemafora@gmail.com

GitHub: <https://github.com/KeoagileM>

LinkedIn: [www.linkedin.com/in/keoagile-mafora 079157266](https://www.linkedin.com/in/keoagile-mafora-079157266)

Profile Summary

Software developer skilled in building full-stack applications using **C# .NET Core, ASP.NET MVC, Java, and SQL Server**. Experienced in designing scalable architectures, role-based authentication systems, normalized databases, and security-focused applications. Strong debugging, problem-solving, and teaching abilities developed through hands-on projects and mentoring students in Java programming. Passionate about clean code, system design, and delivering real-world solutions.

Core Competencies

- Object-Oriented Programming (OOP)
 - MVC Architecture
 - RESTful Applications
 - Database Design & Normalization
 - Authentication & Authorization
 - Unit Testing & Debugging
 - Git & Version Control
 - Agile Development Principles
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Technical Skills

Languages: C#, Java, SQL

Frameworks & Tools: .NET Core, ASP.NET MVC, WPF, JUnit

Web: HTML, CSS, JavaScript

Databases: SQL Server

Version Control: GitHub

Projects

Cybersecurity Chatbot

Tech: C#, WPF (.NET Core)

- Developed a chatbot that teaches cybersecurity awareness through interactive conversations.
- Implemented a knowledge base covering phishing, password safety, and common cyber threats.
- Added emotion-aware responses to improve engagement and learning.
- Improved cybersecurity understanding and reduced common mistakes among test users.

Repository: <https://github.com/KeoagileM/CybersecurityChatbot>

Monthly Claim System

Tech: C#, ASP.NET MVC, SQL Server, HTML/CSS

- Built a full-stack web application for automating lecturer claim submissions and approvals.
- Implemented role-based authentication for Lecturers, Coordinators, Managers, and HR.
- Designed a normalized SQL Server database with validation rules to prevent duplicate claims.
- Applied MVC architecture to separate business logic, data access, and UI concerns.
- Significantly reduced claim processing time and eliminated manual workflow errors.

Repository: <https://github.com/KeoagileM/MonthlyClaimSystem>

Experience

Java Programming Tutor – Rosebank College

Feb 2025 – Nov 2025

- Mentored first-year students in core Java programming, including OOP, inheritance, interfaces, GUIs, and JUnit testing.
- Guided students in debugging, improving logic-building skills, and writing clean, maintainable code.
- Assisted learners in understanding complex concepts through hands-on examples and personalized support.
- Strengthened communication and technical leadership through continuous student engagement.

Educational Background

Diploma in Information Technology in Software Development

Rosebank College, Johannesburg

Expected Graduation: 2027

National Senior Certificate

West Ridge High School

Matriculated: 2023

Soft Skills

- Team Collaboration.
 - Critical Thinking.
 - Attention to Detail.
 - Time Management.
 - Problem Solving.
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References

Company Name: Rosebank College.

Contact Person: Rhulani Kobeni.

Contact Number: +27 76 905 8130.